

## Datasheet: VPA00028K

<b>Description:</b>	PPP2R5D ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	PPP2R5D
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	10 Westerns

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).**

The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	100µl Goat polyclonal antibody purified by ammonium sulfate precipitation followed by antigen affinity chromatography
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.5% Bovine Serum Albumin
<b>Immunogen</b>	Peptide sequence C-KRAEEFLTASQEAL from the C-terminal region of PPP2R5D
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q14738</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5528</a>    PPP2R5D    <a href="#">Related reagents</a></p>

**Specificity** **Goat anti Human PPP2R5D antibody** recognizes human serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform, also known as PPP2R5D, PP2A B subunit isoform B56-delta or PP2A B subunit isoform PR61-delta. PPP2R5D is a 602 amino acid phosphatase. Three isoforms of PPP2R5D are generated by alternative splicing ([Tanabe et al. 1997](#)), all isoforms retain the C terminal region. Isoform-1 is widely expressed while isoform-2 is restricted to the brain.

Goat anti Human PPP2R5D antibody recognizes human PPP2R5D as a band of ~75 kDa in multiple cell line lysates by western blotting under reducing conditions. The antibody also cross reacts with PPP2R5D from rodent cell line lysates tested.

---

**Western Blotting** Anti PPP2R5D antibody detects a band of approximately 75 kDa in HEK293 cell lysates.

---

**Instructions For Use** Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

---

**Lysate Composition** 400µg HEK293 lysate lyophilized in RIPA buffer.

---

**Lysate Reconstitution** - If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.  
- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.  
Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

---

**Storage** Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

---

**Shelf Life** As supplied, 12 months from date of despatch.

---

**Acknowledgements** PrecisionAb™ is a trademark of Bio-Rad Laboratories.

---

**Health And Safety Information** Material Safety Datasheet Documentation #10058 for antibody available at <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>  
Lysate Material Safety Datasheet Documentation #10561 available at <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

---

**Regulatory** For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

**North & South America** Tel: +1 800 265 7376  
Fax: +1 919 878 3751  
Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide** Tel: +44 (0)1865 852 700  
Fax: +44 (0)1865 852 739  
Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe** Tel: +49 (0) 89 8090 95 21  
Fax: +49 (0) 89 8090 95 50  
Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

'M285096:160321'

